

Enablers [IWP FY13]

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0002	Network-Enabled Flight Object Information	2014	FAA (Suggested)		OI-0306, OI-4502	EN-1271	1642
EN-0003	4D Flight Plan Management Decision Support - Level 2	2018	FAA (Suggested)		OI-0406, OI-0306	EN-0002, EN-0006, EN-0207, EN-2010, EN-2680	
EN-0004	4D Flight Plan Automation - ANSP	2014	FAA (Suggested)		OI-0303, OI-0306	EN-1231, EN-1271, EN-1273	
EN-0005	4D Flight Plan Automation - Operator	2014	FAA (Suggested)		OI-0303, OI-0306	EN-0004, EN-1271	1499
EN-0006	4D Flight Plan Management Decision Support - Level 1	2014	FAA (Suggested)		OI-0303	EN-0005, EN-0004, EN-2010, EN-2680, EN-1270, EN-1273	
EN-0007	High-Density Arrival/Departure Detail Operational Concept	2011	FAA (Suggested)		OI-0402, OI-0403, OI-0320, OI-0325, OI-0334, OI-0333		
EN-0008	Trajectory Negotiation - Level 1 Controlled Time of Arrival (CTA)	2013	FAA (Suggested)		OI-7011	EN-1006, EN-0016, EN-1032	
EN-0009	Integrated Trajectory/Separation Management - Terminal	2022	FAA (Suggested)		OI-0339, OI-0363	EN-1271, EN-1213, EN-1206, EN-1208, EN-5004, EN-1212, EN-0110, EN-0103, EN-0109, EN-0007, EN-1214, EN-0016, EN-1207	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0016	Separation/Trajectory Management Detail Operational Concept	2010	FAA (Suggested)	NASA (Suggested)	OI-0356, OI-0368, OI-0360, OI-0359, OI-0362, OI-0355, OI-0348, OI-0369, OI-0406, OI-7013, OI-0370, OI-7007, OI-0363		
EN-0017	Trajectory Negotiation - Level 3 Automation-Assisted 4DTs	2018	FAA (Suggested)	NASA (Suggested)	OI-7013, OI-0360	EN-1506, EN-0016, EN-0110, EN-1210, EN-1213, EN-0034, EN-1207	1637
EN-0018	Trajectory Negotiation - Level 4 Automated 4DTs	2020	FAA (Suggested)	NASA (Suggested)	OI-0369, OI-0370	EN-1507, EN-0017, EN-0037	
EN-0019	Virtual Tower - Detail Operational Concept	2011	FAA (Suggested)	NASA (Suggested)			
EN-0020	Staffed Virtual Tower Capability	2015	FAA (Suggested)	NASA (Suggested)	OI-0409	EN-0019, EN-1231	
EN-0021	Automated Virtual Tower - Level 1 Single Runway Airport	2015	FAA (Suggested)	NASA (Suggested)		EN-0016, EN-0019, EN-1271	
EN-0022	Automated Virtual Tower - Level 2 Multiple Runway Airport	2016	FAA (Suggested)	NASA (Suggested)	OI-0410	EN-0021, EN-0026, EN-0016	1674
EN-0023	Surface Movement - Detail Operational Concept	2011	FAA (Suggested)	NASA (Suggested)	OI-0401, OI-0322, OI-0400		
EN-0026	Surface Movement Decision Support - Level 2 Mid Term	2015	FAA (Suggested)		OI-0327, OI-0383, OI-0384	EN-1510, EN-0100, EN-2010, EN-2680, EN-6020, EN-1206	
EN-0027	Metroplex Flow Management Decision Support	2018	FAA (Suggested)		OI-0331, OI-0338, OI-0339, OI-0348	EN-2010, EN-2680	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0028	Avionics - Access to Airspace Boundary Information	2011	Industry (Suggested)	FAA (Suggested), DOD (Suggested)	OI-0365, OI-0366, OI-0368, OI-0406, OI-0362	EN-1201	1176, 1204, 1491
EN-0029	Wake Detection/Prediction w/Dynamic Wake Spacing - Level 1 Wake Drift	2014	FAA (Suggested)			EN-2010, EN-2680, EN-1273	
EN-0030	Wake Detection/Prediction w/Dynamic Wake Spacing - Level 2 Wake Drift/Decay	2016	FAA (Suggested)		OI-0403, OI-7010, OI-0402	EN-0029, EN-2010, EN-2680	
EN-0031	Avionics - Airborne Merging and Spacing	2013	FAA (Suggested)	NASA (Suggested)	OI-0368, OI-0409, OI-0410, OI-0326, OI-0406, OI-0355, OI-0362, OI-0363	EN-0200	
EN-0032	Avionics - Airborne Self-Separation	2022	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-0359, OI-0368, OI-0369, OI-0362, OI-0363	EN-0016, EN-0018, EN-0039	1492
EN-0033	Airspace/Capacity/Flow Contingency Management Decision Support - Level 1	2013	FAA (Suggested)	DOD (Suggested), DHS (Suggested)	OI-0408, OI-0303, OI-4500, OI-0305, OI-0310, OI-0350, OI-0351, OI-0307, OI-0337	EN-1273, EN-2010, EN-0301, EN-1270, EN-1271, EN-1272, EN-1231, EN-2680	
EN-0034	Trajectory Management Decision Support - Level 1	2013	FAA (Suggested)	NASA (Suggested), DOD (Suggested)	OI-0333, OI-0331, OI-7005, OI-0350, OI-0351, OI-0307, OI-0337	EN-1272, EN-2010, EN-2680, EN-1231, EN-1271, EN-1273, EN-0016, EN-1251, EN-1006, EN-1270	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0035	Separation Management Decision Support - Level 1	2013	FAA (Suggested)	NASA (Suggested)	OI-0354, OI-0349, OI-7001, OI-0343, OI-0406, OI-0356, OI-7007, OI-0337, OI-0350, OI-0355, OI-0359	EN-0016, EN-2010, EN-2680, EN-1231, EN-1271, EN-0212, EN-0301	
EN-0036	Airspace/Capacity/Flow Contingency Management Decision Support - Level 2 Limited Dynamic	2018	FAA (Suggested)	DOD (Suggested), DHS (Suggested)	OI-0406, OI-4502, OI-0362	EN-2681, EN-0033, EN-5008, EN-2020	1397, 1649, 1650, 1651, 1652, 1653
EN-0037	Trajectory Management Decision Support - Level 2	2018	FAA (Suggested)		OI-0365, OI-0368, OI-0406, OI-0338, OI-0341, OI-0369, OI-0363, OI-0348	EN-1506, EN-2681, EN-0016, EN-0034, EN-2020	1381
EN-0038	Separation Management Decision Support - Level 2	2018	FAA (Suggested)		OI-0368, OI-7013, OI-0370, OI-0362, OI-0363, OI-0348	EN-2681, EN-0016, EN-0035, EN-2020	
EN-0039	UAS Detail Operation Concept	2012	FAA (Suggested)	DOD 	OI-0406, OI-0369, OI-0343, OI-0349, OI-0363		816
EN-0100	Surface Movement Decision Support - Level 1 Initial	2011	FAA (Suggested)		OI-0321, OI-7005	EN-0023, EN-1231	
EN-0101	Avionics - Enhanced Obstacle Detection	2017	FAA (Suggested)		OI-0409, OI-0410, OI-0340, OI-0388, OI-0390		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0103	Avionics - Trajectory Management - Arrival/Departure	2015	Industry (Suggested)	NASA (Suggested)	OI-0368, OI-0334, OI-0333		25, 1519, 1520, 1521
EN-0106	Avionics - Delegated Separation Acknowledgement Information	2014	Industry (Suggested)	FAA (Suggested), NASA (Suggested)	OI-0334, OI-0383, OI-0384, OI-0355, OI-0354, OI-0356	EN-0200	427
EN-0109	Avionics - Surface Conflict Management	2016	Industry (Suggested)	NASA (Suggested)	OI-0331, OI-0383, OI-0384, OI-0410	EN-0200, EN-0225, EN-1007	214, 466
EN-0110	Trajectory Negotiation - Level 2 En Route Time-Based Metering	2013	FAA (Suggested)		OI-0325	EN-1006, EN-0008, EN-1231, EN-1032	
EN-0150	Wake Vortex Configuration Advisory Decision Support - Level 1 Static Drift Only	2012	FAA (Suggested)	DOC (Suggested)	OI-0400, OI-0401	EN-1231, EN-1273	
EN-0151	Wake Vortex Configuration Advisory Decision Support - Level 2 Dynamic Drift	2014	FAA (Suggested)	DOC (Suggested)	OI-7010	EN-0150, EN-0029	
EN-0152	Wake Vortex Configuration Advisory Decision Support - Level 3 Dynamic Drift/Decay	2016	FAA (Suggested)	DOC (Suggested)	OI-0402, OI-0403, OI-0348	EN-0151, EN-0030	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0160	Oceanic Web Enabled Collaborative Trajectory Planning	2009	FAA (Suggested)		OI-7001, OI-0304		
EN-0161	Oceanic Trajectory - 4DT En Route	2009	FAA (Suggested)	NASA (Suggested)	OI-7001, OI-0304		
EN-0162	Development of Flexible Oceanic Entry Points	2011	FAA (Suggested)		OI-0304		
EN-0169	In-Trail Oceanic Separation Using ADS-B	2014	FAA (Suggested)	Industry (Suggested)	OI-0354	EN-1750	
EN-0170	Special Activity Airspace (SAA) Management Decision Support - Level 1	2009	FAA (Suggested)	DOD (Suggested)	OI-0346		1177
EN-0171	Special Activity Airspace (SAA) Management Decision Support - Level 2	2013	FAA (Suggested)	DOD (Suggested)	OI-0406, OI-0365	EN-1272, EN-1270, EN-0170	1178
EN-0180	Airspace/Capacity/Flow Contingency Management Decision Support - Level 3 Dynamic	2022	FAA (Suggested)	DOD (Suggested), DHS (Suggested)	OI-0365, OI-0366, OI-0368, OI-4512, OI-0370	EN-0036	1493
EN-0200	Avionics - Traffic Display Level 2	2011	Industry (Suggested)		OI-0316, OI-0341	EN-0202, EN-1400, EN-0223	1380
EN-0201	Avionics - Required Navigation Performance (Legacy)	2009	Industry (Suggested)	FAA (Suggested)	OI-0311, OI-0333, OI-0309, OI-0325, OI-0359, OI-0362, OI-0368, OI-0381	EN-1039, EN-1045	479

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0202	Avionics - Traffic Display Level 1 Cockpit Display of Traffic Information (CDTI)	2008	Industry (Suggested)	FAA (Suggested)	OI-7008, OI-0354		215, 1202
EN-0203	Avionics - Airborne Collision Avoidance - Level 1	2008	Industry (Suggested)	FAA (Suggested)			409
EN-0206	Aeronautical Information Management	2011	FAA 	DOD (Suggested)	OI-0408, OI-7003, OI-0346	EN-0170, EN-1255, EN-1231, EN-1272, EN-1270, EN-1271	1179, 1786
EN-0207	Aeronautical Information Management - Enhanced	2013	FAA 	DOD (Suggested)	OI-0408, OI-0303, OI-0306, OI-0365, OI-0351, OI-0337	EN-0206, EN-0171, EN-0033, EN-2010	1180, 1785
EN-0210	Flexible Routing Flight Plan Automation - Operator	2011	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-0408, OI-0350		
EN-0212	Parameter Driven Aircraft Separation Standards and Procedures	2013	FAA (Suggested)		OI-0349	EN-0016	
EN-0213	Manage Airspace to Flow	2019	FAA (Suggested)		OI-0337		
EN-0214	Flight Data Management System	2014	FAA (Suggested)		OI-0303, OI-0305		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0215	Paired Approach Guidance	2016	FAA (Suggested)	NASA (Suggested)	OI-0333	EN-1400, EN-1503	
EN-0216	Aircraft Systems - Low Visibility Alleviation - Enhanced Vision System (EVS) - Level 2	2012	Industry (Suggested)	FAA (Suggested), NASA (Suggested)	OI-0317	EN-2830	
EN-0217	Aircraft Systems - Low Visibility Alleviation - Enhanced Vision System (EVS) - Level 3	2018	Industry (Suggested)	FAA (Suggested), NASA (Suggested)	OI-0388, OI-0389, OI-0390, OI-0340	EN-0216	
EN-0218	Aircraft Systems - Low Visibility Alleviation - Synthetic Vision System (SVS) - Level 1	2011	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-0310		1203
EN-0219	Aircraft Systems - Low Visibility Alleviation - Synthetic Vision System (SVS) - Level 2	2015	Industry (Suggested)	FAA (Suggested), NASA (Suggested)	OI-0317, OI-0388, OI-0389, OI-0390, OI-0333, OI-0348	EN-0218, EN-0216	
EN-0220	Avionics - Airborne Collision Avoidance - Level 2	2011	Industry (Suggested)	FAA (Suggested)	OI-0356	EN-0203	
EN-0221	Avionics - Airborne Collision Avoidance - Level 3	2015	Industry (Suggested)	FAA (Suggested)	OI-0354, OI-0355	EN-0220	
EN-0222	Avionics - Airborne Collision Avoidance - Level 4	2020	Industry (Suggested)	FAA (Suggested)	OI-0359, OI-0362, OI-0363	EN-0221	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-0223	Avionics - Multi-Function Displays and Weather Display Logic	2010	Industry (Suggested)	FAA (Suggested)		EN-0202, EN-1400	
EN-0224	Avionics - Delegated Separation Digital Communications	2022	Industry (Suggested)	FAA (Suggested)	OI-0359, OI-0362, OI-0363	EN-0106, EN-1202, EN-1225	
EN-0225	Avionics - Surface Moving Map (Legacy) - Level 1	2010	Industry (Suggested)	FAA (Suggested)	OI-0322	EN-1400	
EN-0226	Avionics - Surface Moving Map - Level 2	2020	Industry (Suggested)	FAA (Suggested)	OI-0340	EN-0225, EN-1501	
EN-0227	Avionics - Area Navigation (Legacy)	2009	Industry (Suggested)	FAA (Suggested)	OI-0311, OI-0309	EN-1039, EN-1045, EN-0201	
EN-0228	Avionics - Trajectory Negotiation and Automation	2020	Industry (Suggested)	FAA (Suggested)	OI-7013, OI-0360	EN-0201, EN-0227, EN-0018	
EN-0229	Avionics - Trajectory Based TAWS	2015	Industry (Suggested)	FAA (Suggested)	OI-0317, OI-0390		
EN-0300	Networked Air Navigation Support Facilities	2015	FAA (Suggested)		OI-0406, OI-0307	EN-1037, EN-1016, EN-1180, EN-1043	
EN-0301	Performance-Based Separation Standards and Procedures	2012	FAA (Suggested)		OI-0343, OI-7001	EN-0016	1482
EN-1002	Non-Cooperative Surveillance - Ground Broadcast Ground	2011	FAA 		OI-4201, OI-4203, OI-4204	EN-1025, EN-1251	222, 1802

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1003	Non-Cooperative Surveillance Information Service	2012	Unassigned (Suggested)	DOD (Suggested), DHS (Suggested), FAA (Suggested)	OI-4500, OI-4521, OI-4600	EN-1406, EN-1020, EN-1002, EN-1180, EN-1237, EN-1021, EN-1017, EN-1251	223, 1194
EN-1005	Cooperative Surveillance - Ground Equipment	2012	FAA (Suggested)			EN-1023, EN-1025, EN-1251	224
EN-1006	Integrated Cooperative Surveillance Information - Level 1	2012	FAA (Suggested)		OI-0322	EN-1023, EN-1024, EN-1025, EN-1007, EN-1400, EN-1180, EN-1231, EN-1251, EN-1018, EN-1019	225
EN-1007	Avionics - Surface Moving Map Display with Taxi Clearance	2012	Industry (Suggested)	NASA (Suggested)	OI-0327, OI-0317, OI-0384, OI-3104	EN-1062, EN-1201, EN-1045	26, 216, 465
EN-1010	Future Radio Spectrum	2012	FAA (Suggested)				
EN-1015	Enterprise Network Management Standards	2011	DOD (Suggested)	FAA (Suggested), DOC (Suggested), DHS (Suggested)		EN-1230	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1016	Enterprise Networks Infrastructure Services Standards	2011	DOD (Suggested)	DHS (Suggested), DOC (Suggested), FAA (Suggested)		EN-1230	
EN-1017	Non-Cooperative Surveillance Legacy LRR	2008	DOD (Suggested)	FAA (Suggested), DHS (Suggested)	OI-0355		
EN-1018	Cooperative Surveillance - Legacy Mode S.	2008	FAA (Suggested)				
EN-1019	Cooperative Surveillance - Legacy ATCBI-6	2008	FAA (Suggested)				
EN-1020	Non-Cooperative Surveillance Legacy ASR-8	2008	FAA (Suggested)	DOD (Suggested), DHS (Suggested)	OI-0318, OI-0311		
EN-1021	Non-Cooperative Surveillance - Legacy ASR-9	2008	FAA (Suggested)	DOD (Suggested), DHS (Suggested)	OI-0318, OI-0311		
EN-1022	Air Surveillance - Legacy ASR-11	2008	FAA (Suggested)		OI-0311, OI-0318		1290

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1023	Cooperative Surveillance - ADS-B Out Level 1	2010	FAA (Suggested)		OI-0362, OI-0355, OI-0347, OI-0343, OI-0310	EN-1060, EN-1190, EN-1045, EN-1160	
EN-1024	Cooperative Surveillance - PRM Level 1	2008	FAA (Suggested)				
EN-1025	Airport Surface Surveillance - Legacy ASDE-X	2008	FAA (Suggested)				1291
EN-1032	Radio-Based Voice Network - Legacy VHF/UHF	2008	FAA (Suggested)		OI-0318		
EN-1033	Fixed Radio - Data Communications Level 1	2010	FAA (Suggested)		OI-7005, OI-0369		1636
EN-1035	Ground Voice Network- (Legacy Voice Communications)	2008	FAA (Suggested)				
EN-1036	Ground Voice Network - NAS Voice Switch Level 1	2012	FAA (Suggested)		OI-0351	EN-1035	
EN-1037	Ground Voice Network - NAS Voice Switch Level 2	2015	FAA (Suggested)		OI-0307	EN-1036	
EN-1039	GBNS - DME Legacy	2008	FAA (Suggested)		OI-0350		1843
EN-1041	Space Based Navigation System - GPS Aviation Dual Frequency	2013	DOD 	DOT (Suggested), FAA (Suggested)	OI-0334, OI-0381, OI-0317	EN-1160	814, 1852

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1042	Space Based Navigation System - GPS Enhanced Accuracy/Integrity Monitoring	2020	DOD 	FAA (Suggested), DOT (Suggested)		EN-1041	815
EN-1043	Enterprise Networks Security Services Standards	2011	DOD (Suggested)	DHS (Suggested), FAA (Suggested), DOC (Suggested)		EN-1230	
EN-1044	Space Based Navigation System - Multi-Constellation	2018	FAA (Suggested)	DOT (Suggested), DOD (Suggested), DHS (Suggested)	OI-0389, OI-0390, OI-0343, OI-0348, OI-0354, OI-0359, OI-0362, OI-0363, OI-0369		1282, 1849
EN-1045	Space Based Augmentation System - WAAS	2008	FAA (Suggested)	DOD (Suggested)	OI-0334	EN-1160	1850
EN-1048	Ground Voice Network - NAS Voice Switch Level 3	2018	FAA (Suggested)		OI-0339	EN-1037	
EN-1049	Integrated Surveillance Information Service Level 1	2012	Unassigned (Suggested)	Industry (Suggested), DHS (Suggested), DOD (Suggested)	EN-1006, EN-7015, EN-1180, EN-1231, EN-1002, EN-1003		1195

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1060	Radio Data Link - Legacy 1090/1030	2008	FAA (Suggested)				
EN-1061	Fixed Radio - Data Communications Level 2	2022	FAA (Suggested)			EN-1010	
EN-1062	Mobile Data Communications Management Applications - Level 1	2012	FAA (Suggested)				
EN-1063	Mobile Data Communications Management Applications - Level 2	2017	FAA (Suggested)			EN-1062	
EN-1064	Mobile Data Communications Management Applications - Level 3	2022	FAA (Suggested)			EN-1063	
EN-1065	Ground Based Navigation System (GBNS) - Lighting Systems (Legacy)	2008	FAA (Suggested)	DOD (Suggested)	OI-0381, OI-0334, OI-0316		1847
EN-1066	Ground Based Navigation System (GBNS) - NextGen Lighting Systems	2018	FAA (Suggested)	DOD (Suggested)			
EN-1101	Enhanced NextGen PNT Services	2025	National Coordination Office (NCO) (Suggested)	DHS (Suggested), DOD (Suggested), DOT (Suggested)	OI-0348	EN-1044, EN-1042	1151
EN-1120	GBAS - Local Area Augmentation System (LAAS)	2017	FAA (Suggested)	DOT (Suggested), DOD (Suggested)	OI-0322, OI-0334, OI-0340, OI-0341, OI-0381, OI-0389, OI-0388		1281, 1845

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1143	Ground Based Navigation System (GBNS) - eLORAN	2015	DHS (Suggested)	DOT (Suggested), DOD (Suggested)	OI-0307, OI-0333		1283
EN-1144	Ground Based Navigation System (GBNS) - ILS Legacy	2008	FAA (Suggested)		OI-0311, OI-0389		1844
EN-1160	Space Based Navigation System - GPS Legacy	2008	DOD 	DOT (Suggested), FAA (Suggested)			813
EN-1170	Integrated Ground and Air Network for Voice/Data	2025	FAA (Suggested)		OI-4502, OI-4512, OI-0370	EN-1061, EN-1181, EN-1202	
EN-1180	Ground Integrated Voice/Data Network - Level 1	2008	FAA (Suggested)				
EN-1181	Ground Integrated Voice/Data Network - Level 2	2017	FAA (Suggested)		OI-7003	EN-1231, EN-1180	
EN-1190	Radio Data Link - Legacy General Aviation UAT	2008	FAA (Suggested)			EN-1045, EN-1160	
EN-1201	Mobile Radio - Data Communications Level 1	2009	Industry (Suggested)		OI-0369, OI-7005		
EN-1202	Mobile Radio - Data Communications Level 2	2022	Industry (Suggested)			EN-1201, EN-1010	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1203	Air - Ground Data Exchange - Data Communications Management Services - Tower	2012	FAA (Suggested)			EN-1033, EN-1201, EN-1062	
EN-1204	Air - Ground Data Exchange - Data Communications Management Services - En Route	2014	FAA (Suggested)			EN-1033, EN-1201, EN-1062	
EN-1205	Air - Ground Data Exchange - Data Communications Management Services - TRACON	2017	FAA (Suggested)			EN-1033, EN-1201, EN-1063	
EN-1206	Air - Ground Data Exchange - Clearance and Instruction Services - Tower Group 1	2012	FAA (Suggested)		OI-0339, OI-0327, OI-0406, OI-0408, OI-0340, OI-0321	EN-1033, EN-1201, EN-1062, EN-1203	1483
EN-1207	Air - Ground Data Exchange - Clearance and Instruction Services - Tower Group 2	2017	FAA (Suggested)		OI-0339, OI-0406, OI-0327, OI-0340, OI-7005	EN-1203, EN-0016, EN-1033, EN-1201, EN-1063	
EN-1208	Air - Ground Data Exchange Clearance and Instruction Services - Tower Group 3	2022	FAA (Suggested)		OI-0348, OI-0362	EN-1203, EN-1033, EN-1201, EN-1064, EN-0016	
EN-1209	Air - Ground Data Exchange - Clearance and Instructions Services - En Route Group 1	2014	FAA (Suggested)		OI-0337	EN-1033, EN-1201, EN-1062, EN-1204	
EN-1210	Air - Ground Data Exchange - Clearance and Instructions Services - En Route Group 2	2018	FAA (Suggested)		OI-0350, OI-0339	EN-1204, EN-1063, EN-1033, EN-1201, EN-0016	
EN-1211	Air - Ground Data Exchange - Clearance and Instructions Services - En Route Group 3	2022	FAA (Suggested)		OI-0362	EN-1064, EN-0016, EN-1033, EN-1201, EN-1204	1336

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1212	Air - Ground Data Exchange - Clearance and Instructions Services - TRACON Group 1	2017	FAA (Suggested)		OI-0340, OI-0406, OI-0327	EN-1063, EN-1033, EN-1201, EN-1205	
EN-1213	Air - Ground Data Exchange - Clearance and Instructions Services - TRACON Group 2	2017	FAA (Suggested)		OI-0339, OI-0327, OI-0406, OI-0340	EN-1063, EN-0016, EN-1033, EN-1201, EN-1205	
EN-1214	Air - Ground Data Exchange - Clearance and Instructions Services - TRACON Group 3	2022	FAA (Suggested)		OI-0348, OI-0362	EN-1205, EN-0016, EN-1033, EN-1201, EN-1064	
EN-1215	Air - Ground Data Exchange - FIS - Tower	2012	FAA (Suggested)		OI-0408, OI-0409, OI-0410, OI-0333, OI-0334	EN-1062, EN-1033, EN-1201, EN-1203	
EN-1216	Air - Ground Data Exchange - FIS - En Route	2014	FAA (Suggested)		OI-0306	EN-1062, EN-1201, EN-1033, EN-1204	
EN-1217	Air - Ground Data Exchange - FIS - TRACON	2017	FAA (Suggested)		OI-0306, OI-0381	EN-1063, EN-1033, EN-1201, EN-1205	
EN-1219	Air - Ground Data Exchange - Advisory Services - Tower	2017	FAA (Suggested)		OI-7005, OI-0331	EN-1203, EN-1033, EN-1201, EN-1063	1484
EN-1220	Air - Ground Data Exchange - Advisory Services - En Route Group 1	2014	FAA (Suggested)		OI-0325	EN-1204, EN-1062, EN-1033, EN-1201	217
EN-1221	Air - Ground Data Exchange - Advisory Services - En Route Group 2	2018	FAA (Suggested)		OI-0331	EN-1063, EN-1201, EN-1033, EN-1204	294
EN-1223	Air - Ground Data Exchange - Advisory Services - TRACON	2017	FAA (Suggested)		OI-0331	EN-1063, EN-1033, EN-1201, EN-1205	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1224	Air - Ground Data Exchange - Flight Position Intent Services - Multi Domain	2018	FAA (Suggested)		OI-0306, OI-0350	EN-1204, EN-1205, EN-1063, EN-1033, EN-1201, EN-1203	
EN-1225	Air - Ground Data Exchange - Delegated Separation Services - Multi Domain	2022	FAA (Suggested)		OI-0362, OI-0363	EN-1203, EN-1064, EN-1033, EN-1201, EN-1204, EN-1205	
EN-1229	Enterprise Networking Governance Model	2010	DOD (Suggested)	FAA (Suggested), DOC (Suggested), DHS (Suggested)			1553
EN-1230	Enterprise Networking Governance Structure	2010	DOD (Suggested)	FAA (Suggested), DOC (Suggested), DHS (Suggested)		EN-1229	
EN-1231	NextGen Enterprise Network - FAA	2011	FAA (Suggested)		OI-2010	EN-1015, EN-1016, EN-1043	
EN-1234	NextGen Enterprise Network - DOC	2012	DOC 		OI-2010	EN-1015, EN-1016, EN-1043	54, 102
EN-1237	NextGen Enterprise Network - DOD	2011	DOD (Suggested)		OI-2010	EN-1015, EN-1016, EN-1043	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1240	NextGen Enterprise Network - DHS	2011	DHS (Suggested)		OI-2010	EN-1015, EN-1016, EN-1043	
EN-1250	Information Sharing Standards: Flow Information	2010	FAA (Suggested)	DOD (Suggested)		EN-1230	
EN-1251	Information Sharing Standards: Flight and Surveillance Information	2010	FAA (Suggested)	DOD (Suggested)		EN-1230	
EN-1252	Information Sharing Standards: Airspace Information	2010	FAA (Suggested)	DOD (Suggested)		EN-1230	1181
EN-1253	Information Sharing Standards: Aviation Safety Information	2010	FAA (Suggested)	DOD (Suggested)		EN-1230	
EN-1254	Information Sharing Standards: Security Information	2012	DHS (Suggested)	DOD (Suggested)		EN-1230	
EN-1255	Aeronautical Information Exchange Model	2010	FAA (Suggested)	Industry (Suggested), Airport Operator (Suggested), EUROCON TROL (Suggested)	OI-7003		
EN-1270	Flow Information Services - FAA Group 1	2011	FAA (Suggested)		OI-7013, OI-0360, OI-0350	EN-1231, EN-1250	
EN-1271	Flight and Surveillance Information Services - FAA Group 1	2011	FAA (Suggested)			EN-1025, EN-1231, EN-1251	221

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1272	Aeronautical Information Services (AIS) - FAA Group 1	2011	FAA (Suggested)		OI-7003	EN-1255, EN-1231, EN-1252	1182
EN-1273	NextGen Weather Information Services - FAA Group 1	2011	FAA (Suggested)			EN-2050, EN-1231	
EN-1274	NextGen Security Information Services - DHS Group 1	2012	DHS (Suggested)			EN-1240, EN-1254	
EN-1400	Cooperative Surveillance - ADS-B IN/TIS-B/FIS-B Level 1	2010	Industry (Suggested)		OI-0409, OI-0410, OI-0326, OI-0337, OI-7002, OI-0406, OI-0355	EN-1023, EN-1190	218
EN-1401	Backup Surveillance System	2014	FAA (Suggested)		OI-0341, OI-0317, OI-0322, OI-0334, OI-0340, OI-0381	EN-1402	1292
EN-1402	Integrated Surveillance Strategy	2008	DOT (Suggested)	DOD (Suggested), DHS (Suggested), FAA (Suggested)	OI-4204		908, 1155
EN-1404	Cooperative Surveillance - PRM Level 2	2009	FAA (Suggested)		OI-7005	EN-1024, EN-1405	
EN-1405	Cooperative Surveillance (Multilateration)	2009	FAA (Suggested)				

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1406	Airport Surveillance Video	2010	Industry (Suggested)	DHS (Suggested), Airport Operator (Suggested)			1265
EN-1500	Cooperative Surveillance - ADS-B Out Level 2	2014	FAA (Suggested)		OI-0362, OI-7008, OI-7012	EN-1023	219
EN-1501	Cooperative Surveillance - ADS-B Out Level 3	2020	FAA (Suggested)			EN-1500	
EN-1502	Cooperative Surveillance - ADS-B Out Level 4	2025	FAA (Suggested)			EN-1501	
EN-1503	Cooperative Surveillance - ADS-B IN/TIS-B/FIS-B Level 2	2014	Industry (Suggested)		OI-0334, OI-7008, OI-7012	EN-1500, EN-1400	
EN-1504	Cooperative Surveillance - ADS-B IN/TIS-B/FIS-B Level 3	2020	Industry (Suggested)		OI-0362	EN-1023, EN-1501, EN-1503, EN-0215	
EN-1506	Integrated Cooperative Surveillance Information - Level 2	2015	FAA (Suggested)		OI-0327	EN-1500, EN-1404, EN-1405, EN-1005, EN-1006, EN-1503, EN-1401	
EN-1507	Integrated Cooperative Surveillance Information - Level 3	2020	FAA (Suggested)			EN-1501, EN-1506	
EN-1508	Integrated Cooperative Surveillance Information - Level 4	2025	FAA (Suggested)			EN-1502, EN-1507	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-1510	Integrated Surveillance Information Service Level 2	2015	Unassigned (Suggested)	DHS (Suggested), DOD (Suggested)	OI-4204	EN-1506, EN-1049	1196
EN-1511	Integrated Surveillance Information Service Level 3	2020	Unassigned (Suggested)	DHS (Suggested), DOD (Suggested)	OI-4502, OI-4512, OI-4521	EN-1507, EN-1510	1197
EN-1512	Integrated Surveillance Information Service Level 4	2025	Unassigned (Suggested)	DHS (Suggested), DOD (Suggested)	OI-0340	EN-1508, EN-1511	1198
EN-1700	Cooperative Surveillance - ADS-C	2008	FAA (Suggested)		OI-0354, OI-7001	EN-1750	546, 934
EN-1750	Radio Data Link: SATCOM	2008	FAA 		OI-0354		1792
EN-2010	NextGen 4D Weather Cube Information - Manual SAS Selection	2013	DOC 	FAA (Suggested), DOD (Suggested)	OI-0351, OI-0409, OI-2020, OI-4204, OI-0408, OI-4203, OI-0337, OI-0355, OI-0327, OI-0303, OI-0381, OI-0306, OI-0410, OI-0331, OI-0307	EN-2050, EN-2420, EN-1234, EN-2440, EN-2520, EN-2410, EN-2260, EN-1273, EN-2080, EN-2700, EN-2060, EN-2430	62, 158, 159, 1427

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2020	NextGen 4D Weather Cube Information - Automated SAS Selection	2018	DOC 	DOD (Suggested), FAA (Suggested)	OI-2021, OI-0402, OI-0403, OI-0406, OI-0339, OI-2023	EN-2481, EN-2431, EN-1063, EN-2261, EN-2441, EN-2421, EN-2461, EN-2010, EN-2451, EN-2411, EN-2521	75 , 160, 162, 220, 1430
EN-2030	NextGen 4D Weather Cube Information - Full NextGen	2022	DOC 	DOD (Suggested), FAA (Suggested)	OI-0365, OI-0366, OI-0368, OI-5008, OI-2022, OI-0340	EN-2442, EN-2412, EN-2522, EN-2432, EN-2020, EN-2422, EN-2452, EN-2262, EN-2070, EN-2482, EN-2462	85 , 161, 163, 1431
EN-2040	NextGen Net-Enabled Operations Virtual 4D Weather Data Cube Governance Structure	2011	DOC 	DOD (Suggested), FAA (Suggested)	OI-2010	EN-2710	48 , 97 , 1436
EN-2050	Information Sharing Standards: Weather Information	2011	DOC 	DOD (Suggested), FAA (Suggested)		EN-2040, EN-1230	52 , 105

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2060	Aviation Weather Information System - Network-enable Existing Systems	2013	FAA 	DOD (Suggested), DOC (Suggested)	OI-2010	EN-2050, EN-1273	1428, 1805
EN-2070	Aircraft Systems - Aircraft-Ground-Aircraft Hazardous Weather Information Sharing	2019	FAA 	DOD (Suggested), DOC (Suggested)		EN-2010, EN-1201	1432, 1809
EN-2080	Network-Enabled User-Defined Weather Information Request Function	2011	DOC 	DOD (Suggested), FAA (Suggested)	OI-2010		53, 101, 1429
EN-2220	Network-Enabled Weather Observation System - Ground-Based	2012	FAA 	DOD (Suggested), DOC (Suggested)		EN-1234, EN-2050	1443, 1815
EN-2221	Network-Enabled Weather Observation System - Ground-Based Enhanced	2016	FAA 	DOD (Suggested), DOC (Suggested)		EN-2220, EN-2250	1444, 1816
EN-2222	Network-Enabled Weather Observation System - Ground-Based Advanced	2020	FAA 	DOD (Suggested), DOC (Suggested)		EN-2221	1445, 1817

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2230	Network-Enabled Weather Observation System - Airborne - Major Carriers	2012	DOC (Suggested)	DOD (Suggested), FAA (Suggested)	EN-1234, EN-2050		1446
EN-2231	Network-Enabled Weather Observation System - Airborne Enhanced - High-End Aircraft	2016	DOC (Suggested)	DOD (Suggested), FAA (Suggested)	EN-2230, EN-2250		1447
EN-2232	Network-Enabled Weather Observation System - Airborne Advanced - UAS	2020	DOC (Suggested)	DOD (Suggested), FAA (Suggested)	EN-2231		1448
EN-2240	Network-Enabled Weather Observation System - Satellites	2012	DOC 	DOD (Suggested), NASA (Suggested)	EN-1234, EN-2050		55, 1449
EN-2241	Network-Enabled Weather Observation System - Satellites Enhanced	2016	DOC 	DOD (Suggested), NASA (Suggested)	EN-2240, EN-2250		65, 1450
EN-2242	Network-Enabled Weather Observation System - Satellites Advanced	2020	DOC 	DOD (Suggested), NASA (Suggested)	EN-2241		84, 1451

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2250	Network-Enabled Weather Observation System - Adaptive Control	2015	DOC 	DOD (Suggested), NASA (Suggested), FAA (Suggested)	EN-2220, EN-2230, EN-2240, EN-1234		64
EN-2260	Integrated Network-Enabled Weather Observation System	2012	DOC 	DOD (Suggested), NASA (Suggested), FAA (Suggested)	EN-2220, EN-2230, EN-2240, EN-1234		56 , 1439
EN-2261	Integrated Network-Enabled Weather Observation System - Enhanced	2016	DOC 	DOD (Suggested), NASA (Suggested), FAA (Suggested)	EN-2221, EN-2231, EN-2241, EN-2260		66 , 1440
EN-2262	Integrated Network-Enabled Weather Observation System - Advanced	2020	DOC 	DOD (Suggested), NASA (Suggested), FAA (Suggested)	EN-2222, EN-2232, EN-2242, EN-2261		76 , 1441

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2410	Weather Forecasts - Consolidated Convective Storm	2013	DOC 	DOD (Suggested), FAA (Suggested)			57, 790, 1401
EN-2411	Weather Forecasts - Consolidated Convective Storm - Enhanced	2016	DOC 	DOD (Suggested), FAA (Suggested)	EN-2410, EN-2500, EN-2010		67, 1408
EN-2412	Weather Forecasts - Consolidated Convective Storm - Advanced	2020	DOC 	DOD (Suggested), FAA (Suggested)	EN-2411, EN-2501, EN-2020		77, 1418
EN-2420	Weather Forecasts - Consolidated Icing	2013	DOC 	DOD (Suggested), FAA (Suggested)			58, 1402
EN-2421	Weather Forecasts - Consolidated Icing - Enhanced	2016	DOC 	DOD (Suggested), FAA (Suggested)	EN-2420, EN-2500, EN-2010		68, 1409
EN-2422	Weather Forecasts - Consolidated Icing - Advanced	2020	DOC 	FAA (Suggested), DOD (Suggested)	EN-2421, EN-2501, EN-2020		78, 1419

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2430	Weather Forecasts - Consolidated Turbulence	2013	DOC 	FAA (Suggested), DOD (Suggested)			59, 1403
EN-2431	Weather Forecasts - Consolidated Turbulence - Enhanced	2016	DOC 	FAA (Suggested), DOD (Suggested)	EN-2430, EN-2500, EN-2010		69, 1410
EN-2432	Weather Forecasts - Consolidated Turbulence - Advanced	2020	DOC 	FAA (Suggested), DOD (Suggested)	EN-2431, EN-2501, EN-2020		79, 1420
EN-2440	Weather Forecasts - Consolidated Ceiling and Visibility	2013	DOC 	DOD (Suggested), FAA (Suggested)			60, 1404
EN-2441	Weather Forecasts - Consolidated Ceiling and Visibility - Enhanced	2016	DOC 	DOD (Suggested), FAA (Suggested)	EN-2440, EN-2500, EN-2010		70, 1411
EN-2442	Weather Forecasts - Consolidated Ceiling and Visibility - Advanced	2020	DOC 	FAA (Suggested), DOD (Suggested)	EN-2441, EN-2501, EN-2020		80, 1421

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2451	Weather Forecasts - Volcanic Ash - Enhanced	2016	DOC 	DOD (Suggested), FAA (Suggested)	EN-2500, EN-2010		71, 1414
EN-2452	Weather Forecasts - Volcanic Ash - Advanced	2020	DOC 	DOD (Suggested), FAA (Suggested)	EN-2451, EN-2501, EN-2020		81, 1424
EN-2461	Weather Forecasts - Environment - Enhanced	2016	FAA 	DOC (Suggested), DOD (Suggested)	EN-2500, EN-2010		39, 1415, 1803
EN-2462	Weather Forecasts - Environment - Advanced	2020	FAA 	DOC (Suggested), DOD (Suggested)	EN-2461, EN-2501, EN-2020		40, 1425, 1804
EN-2481	Weather Forecasts - Space - Enhanced	2016	DOC 	DOD (Suggested), FAA (Suggested)	EN-2500, EN-2010		72, 1416
EN-2482	Weather Forecasts - Space - Advanced	2020	DOC 	DOD (Suggested), FAA (Suggested)	EN-2481, EN-2501, EN-2020		82, 1426

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2500	Improve Weather Models - Enhanced	2013	DOC 	FAA (Suggested), DOD (Suggested)			63, 1407
EN-2501	Improve Weather Models - Advanced	2017	DOC 	FAA (Suggested), DOD (Suggested)	EN-2500, EN-2010		74, 1417
EN-2520	Weather Forecasts - Consolidated Winter Storm	2013	DOC 	FAA (Suggested), DOD (Suggested)			61, 1405
EN-2521	Weather Forecasts - Consolidated Winter Storm - Enhanced	2016	DOC 	FAA (Suggested), DOD (Suggested)	EN-2520		73, 1413
EN-2522	Weather Forecasts - Consolidated Winter Storm - Advanced	2020	DOC 	DOD (Suggested), FAA (Suggested)	EN-2521		83, 1423
EN-2680	Methodologies and Algorithms for Weather Assimilation into Decision-Making	2011	FAA 	DOD (Suggested), DOC (Suggested), NASA (Suggested)	OI-0410, OI-0409, OI-0327, OI-0381, OI-0306, OI-0331, OI-0355, OI-4204, OI-4203, OI-0337, OI-0351, OI-0408, OI-0307, OI-0303		505, 797, 1433, 1811

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2681	Methodologies and Algorithms for Weather Assimilation into Decision-Making - Enhanced	2017	FAA 	DOD (Suggested), DOC (Suggested), NASA (Suggested)	OI-0403, OI-0406, OI-0402, OI-0339, OI-2023	EN-2680	798, 1434, 1812
EN-2682	Methodologies and Algorithms for Weather Assimilation into Decision-Making - Advanced	2021	FAA 	DOD (Suggested), DOC (Suggested), NASA (Suggested)	OI-0365, OI-0366, OI-0368, OI-5008, OI-0340	EN-2681	799, 1435, 1628, 1813
EN-2700	Weather Information Regulatory Structure	2011	FAA 	DOD (Suggested), DOC (Suggested)	OI-2010	EN-2040	106, 1437, 1814
EN-2710	NextGen Net-Enabled Operations 4D Weather Data Cube Governance Models	2011	DOC 	DOD (Suggested), FAA (Suggested)	OI-2010		50, 99, 1438

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2810	Aircraft Systems - Turbulence Mitigation	2018	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-3104	EN-2870	
EN-2820	Aircraft Systems - Icing Alleviation	2018	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-3104	EN-2870	
EN-2830	Aircraft Systems - Low Visibility Alleviation - Enhanced Vision System (EVS) - Level 1	2009	Industry (Suggested)	NASA (Suggested), FAA (Suggested)			404, 430, 1349
EN-2840	Aircraft Systems - Vortex Avoidance Alleviation	2018	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-3104	EN-2870	
EN-2850	Aircraft Systems - Radiation Alleviation	2018	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-3104	EN-2870	
EN-2860	Aircraft Systems - Volcanic Ash Alleviation	2018	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-3104	EN-2870	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-2870	Aircraft Systems - Weather Mitigation Requirements	2018	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-3104		
EN-3016	Aviation Safety Information Analysis and Sharing Environment (ASIAS) - Level 1	2008	FAA (Suggested)	NASA (Suggested), Air Carriers (Suggested)	OI-3101		
EN-3017	Safety Information Analysis Tools - Level 1	2008	FAA (Suggested)	NASA (Suggested)			
EN-3018	Safety Management Requirements	2008	FAA (Suggested)	DHS (Suggested), DOT (Suggested), DOC (Suggested), NASA (Suggested), DOD (Suggested), Industry (Suggested)	OI-3004		
EN-3023	Automated System Vulnerability Detection	2011	FAA (Suggested)	NASA (Suggested)	OI-3108		
EN-3024	Advanced Incident Contributing Factor Analysis	2010	FAA (Suggested)	NASA (Suggested)	OI-3108		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3025	Automated Prognostic Risk Identification	2010	FAA (Suggested)	NASA (Suggested)			
EN-3027	Improved Fault Management	2010	NASA (Suggested)	FAA (Suggested), Industry (Suggested)	OI-3108		
EN-3030	Standards Harmonization for Multi-mode Transport of Dangerous Goods	2012	Industry (Suggested)		OI-3107		
EN-3036	Aviation Safety Information Analysis and Sharing Environment (ASIAS) - Level 2	2011	FAA (Suggested)	Industry (Suggested), DOD (Suggested), DOC (Suggested), DHS (Suggested), Air Carriers (Suggested), DOT (Suggested), NASA (Suggested)	OI-3109, OI-7009	EN-3016, EN-1231, EN-1180, EN-1271, EN-1253	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3037	Aviation Safety Information Analysis and Sharing Environment (ASIAS) - Level 3	2013	FAA (Suggested)	DOC (Suggested), NASA (Suggested), DOT (Suggested), DOD (Suggested), DHS (Suggested), Air Carriers (Suggested), Industry (Suggested)	OI-3109	EN-3036	
EN-3038	Safety Information Analysis Tools - Level 2	2013	FAA (Suggested)	NASA (Suggested)		EN-3036, EN-3017	
EN-3039	Safety Information Analysis Tools - Level 3	2014	FAA (Suggested)	NASA (Suggested)		EN-3037, EN-3038	
EN-3040	National SMS Standard Implementation - Level 1	2010	FAA (Suggested)		OI-3004	EN-3018, EN-3016	
EN-3041	National SMS Standard Implementation- Level 2	2012	FAA (Suggested)	DOD (Suggested), DOC (Suggested), DHS (Suggested), NASA (Suggested)	OI-3004	EN-3040, EN-3036, EN-3018	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3042	National SMS Standard Implementation- Level 3	2014	Industry (Suggested)		OI-3004		EN-3037, EN-3041
EN-3050	Advanced Complex System Validation and Verification Methods	2012	NASA (Suggested)	FAA (Suggested)	OI-3102		
EN-3054	Improved Reliability and Airworthiness of Aircraft - Level 1	2015	Industry (Suggested)	DOD (Suggested), NASA (Suggested), FAA (Suggested)			
EN-3055	Improved Reliability and Airworthiness of Aircraft - Level 2	2025	Industry (Suggested)	DOD (Suggested), NASA (Suggested), FAA (Suggested)		EN-3054	
EN-3056	Improved Vehicle Systems Health Management - Level 1	2015	Industry (Suggested)	DOD (Suggested), NASA (Suggested), FAA (Suggested)	OI-3104		
EN-3057	Improved Vehicle Systems Health Management - Level 2	2025	Industry (Suggested)	NASA (Suggested)	OI-3104		EN-3056
EN-3058	Increased Reliability and Accuracy of Data and Information - Level 1	2015	Industry (Suggested)	NASA (Suggested)	OI-3104		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3059	Increased Reliability and Accuracy of Data and Information - Level 2	2025	Industry (Suggested)	NASA (Suggested)	OI-3104	EN-3058	
EN-3060	Improved Operational Decision Aids - Airborne Level 1	2015	Industry (Suggested)	NASA (Suggested)	OI-3103		
EN-3061	Improved Operational Decision Aids - Airborne Level 2	2025	Industry (Suggested)	NASA (Suggested)	OI-3103	EN-3060	
EN-3062	Ensure Aircraft Conformance to More Stringent Operations Requirements - Level 1	2015	Industry (Suggested)	NASA (Suggested)	OI-3104		
EN-3063	Ensure Aircraft Conformance to More Stringent Operations Requirements - Level 2	2025	Industry (Suggested)	NASA (Suggested)	OI-3104	EN-3062	
EN-3064	Increase Aircraft System Contributions to Survival in Crash Scenarios - Level 1	2015	Industry (Suggested)	NASA (Suggested)	OI-3104	EN-3130, EN-3131	
EN-3065	Increase Aircraft System Contributions to Survival in Crash Scenarios- Level 2	2025	Industry (Suggested)	NASA (Suggested)	OI-3104	EN-3064, EN-3130, EN-3131	
EN-3066	Improved Ground-Based Systems Health Management - Level 1	2015	Airport Operator (Suggested)		OI-3105		
EN-3067	Improved Ground-Based Systems Health Management - Level 2	2025	FAA (Suggested)	NASA (Suggested)	OI-3105	EN-3066	
EN-3068	Improve Operational Decision Aids - Ground Level 1	2015	FAA (Suggested)	NASA (Suggested)	OI-3103	EN-1271	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3069	Improve Operational Decision Aids - Ground Level 2	2025	FAA (Suggested)	NASA (Suggested)	OI-3103	EN-3068	
EN-3070	Ensure Ground-based System Conformance to Operations Requirements - Level 1	2015	FAA (Suggested)	NASA (Suggested)	OI-3105	EN-1271	
EN-3071	Ensure Ground-based System Conformance to Operations Requirements - Level 2	2025	FAA (Suggested)	NASA (Suggested)	OI-3105	EN-3070	
EN-3072	Increase Ground-based System Contribution to Survival in Crash Scenarios - Level 1	2015	FAA (Suggested)	NASA (Suggested)	OI-3105		
EN-3073	Increase Ground-based System Contribution to Survival in Crash Scenarios - Level 2	2025	FAA (Suggested)	NASA (Suggested)	OI-3105	EN-3072	
EN-3101	Safety Policy Effectiveness	2018	FAA (Suggested)		OI-3108		
EN-3102	Safety Risk Management Processes and Tools	2018	FAA (Suggested)		OI-3108		
EN-3103	Safety Assurance Processes and Tools	2018	FAA 		OI-3108, OI-3109	EN-3023, EN-3024, EN-3025, EN-3027	1793
EN-3104	Safety Promotion Practices	2018	FAA (Suggested)		OI-3108		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3105	Increase Data Access for Safety Risk Management	2014	FAA (Suggested)	NASA (Suggested), DOD (Suggested), Industry (Suggested)	OI-3101, OI-3109	EN-3023, EN-3024, EN-3017, EN-3038, EN-3039, EN-3025	
EN-3106	Increase Confidence in Analytical Results	2018	FAA (Suggested)	NASA (Suggested)	OI-3109		
EN-3107	Advanced Capabilities for Integrated, Predictive Safety Assessment	2014	FAA (Suggested)		OI-3102		
EN-3108	Enhanced Focus on Safe Operational Procedures	2014	FAA 	NASA (Suggested)	OI-3102		1794
EN-3109	Advanced Training Concepts for Safe System Operation	2014	FAA 	NASA (Suggested)	OI-3102		1795
EN-3110	Ensure the Availability and Accessibility of Required Information	2015	Industry (Suggested)	FAA (Suggested), NASA (Suggested)	OI-3103		
EN-3111	Increase the Usefulness and Understandability of Information	2015	Industry (Suggested)		OI-3103		
EN-3112	Maintain Appropriate Human Engagement	2015	Industry (Suggested)		OI-3103		
EN-3113	Improve Reliability and Airworthiness of Aircraft	2025	Industry (Suggested)		OI-3104	EN-3054, EN-3055	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3114	Participate Internationally in Aviation Forums	2016	FAA 	DHS (Suggested), DOC (Suggested), DOD (Suggested), DOT (Suggested), Industry (Suggested), NASA (Suggested)	OI-3106		1796
EN-3115	Establish International Aviation Development Partnerships	2016	FAA 	DHS (Suggested), DOC (Suggested), DOD (Suggested), DOT (Suggested), Industry (Suggested), NASA (Suggested)	OI-3106		1797

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3116	Support Execution of ICAO Global Aviation Safety Roadmap and Implementation Plan	2016	FAA 	DHS (Suggested), DOC (Suggested), DOD (Suggested), DOT (Suggested), Industry (Suggested), NASA (Suggested)	OI-3106		1798
EN-3118	Improve the Implementation of Harmonized Standards, Regulations, and Procedures	2016	FAA 	Industry (Suggested)	OI-3107		1799
EN-3119	Integrated Safety Assurance and Risk Management - Level 1	2011	FAA (Suggested)	Industry (Suggested), NASA (Suggested), DOD (Suggested)	OI-3101		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3120	Integrated Safety Assurance and Risk Management - Level 2	2014	FAA (Suggested)	DOC (Suggested), DOT (Suggested), DHS (Suggested), DOD (Suggested), Industry (Suggested), NASA (Suggested)	OI-3108, OI-3109	EN-2010, EN-3119	
EN-3121	Integrated Safety Assurance and Risk Management - Level 3	2015	FAA (Suggested)	DOD (Suggested), Industry (Suggested), NASA (Suggested)	OI-3109	EN-3120, EN-2010	
EN-3122	Reduced Controlled Flight into Terrain - Level 1	2015	Industry (Suggested)		OI-3103	EN-0229	417
EN-3123	Airborne Weather Information Technologies- Level 1	2025	Industry (Suggested)		OI-3103, OI-0362	EN-5017, EN-5022, EN-2010	1337
EN-3124	Reduced Controlled Flight into Terrain - Level 2	2025	Industry (Suggested)		OI-3103	EN-3122	419
EN-3125	Airborne Weather Information Technologies- Level 2	2025	Industry (Suggested)		OI-3103	EN-2682, EN-2030, EN-2810, EN-2870, EN-3123, EN-2860, EN-2850, EN-0217, EN-5217, EN-0219	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3126	Improved Aircraft Upset Prevention and Recovery	2025	Industry (Suggested)	DOD (Suggested), NASA (Suggested), FAA (Suggested)	OI-3104		
EN-3127	Reduce Airborne Icing-Related Incidents - Level 1	2015	Industry (Suggested)		OI-3104	EN-5021, EN-5013, EN-5017, EN-2010, EN-6006	
EN-3128	Reduce Airborne Icing-Related Incidents - Level 2	2025	Industry (Suggested)		OI-3104	EN-3127, EN-2820, EN-5020, EN-5018, EN-5019, EN-2030, EN-5217	
EN-3129	Harmonize Standards, Regulations and Procedures	2016	FAA 	Industry (Suggested)	OI-3107		1800
EN-3130	Increased Crash Survivability - Aircraft Structures & Components	2015	Industry (Suggested)	DOD (Suggested), FAA (Suggested), NASA (Suggested)	OI-3104		
EN-3131	Increased Crash Survivability- Aircraft Fire Prevention & Suppression	2015	Industry (Suggested)	NASA (Suggested), DOD (Suggested), FAA (Suggested)	OI-3104		
EN-3132	Reduce Ground Icing-Related Incidents - Level 1	2015	Industry (Suggested)		OI-3105	EN-5021, EN-5017, EN-5022, EN-2010	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-3133	Reduce Ground Icing-Related Incidents - Level 2	2025	Industry (Suggested)		OI-3105	EN-3132, EN-2820, EN-5016, EN-5217, EN-2030	
EN-4106	Checkpoint Screening Technology - CBRNE and Weapons	2016	DHS (Suggested)		OI-4105		
EN-4107	Checkpoint Screening Technology - Enhance Passenger Screening Throughput	2011	DHS (Suggested)		OI-4105	EN-4119	
EN-4108	Checkpoint Screening Technology - Integrated Screening System	2017	DHS (Suggested)		OI-4107	EN-4205, EN-4106	
EN-4109	Checkpoint Screening Technology - Reduction and Improved False Alarm Resolution	2012	DHS (Suggested)		OI-4105		
EN-4110	Checkpoint Screening Technology - Optimize Screening Infrastructure Requirements	2015	DHS (Suggested)	Industry (Suggested)	OI-4105		
EN-4113	Passenger Checkpoint Screening - Requirements	2010	DHS (Suggested)		OI-5015, OI-4105, OI-4300	EN-4114	
EN-4114	Passenger Checkpoint Screening - National Standards	2010	DHS (Suggested)				
EN-4116	Off Airport Passenger and Baggage Security Screening (RTSS)	2016	Industry (Suggested)	DHS (Suggested)	OI-5015, OI-4105, OI-4300	EN-4106, EN-4118, EN-4403, EN-1274	
EN-4118	Checkpoint Screening Technology - Threat Containment	2016	DHS (Suggested)	Industry (Suggested)	OI-4105	EN-4113	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-4119	Biometrics and Credential Standards with Airport Access Focus	2011	DHS (Suggested)	Industry (Suggested), FAA (Suggested)			1554
EN-4120	Integrated Passenger Screening, Credentialing and Risk Management System - Level 1	2012	DHS (Suggested)	Industry (Suggested)	OI-4101	EN-4113, EN-4119, EN-1240, EN-1254	
EN-4121	Integrated Passenger Screening, Credentialing and Risk Management System - Level 2	2012	DHS (Suggested)	Industry (Suggested)	OI-4106	EN-4113, EN-4120, EN-1274	
EN-4201	Airport Surveillance, Tracking and Detection System - Level 1	2014	DHS (Suggested)	Airport Operator (Suggested), FAA (Suggested)	OI-4103, OI-4201, OI-4203, OI-4204	EN-4119, EN-4210, EN-1406	1030
EN-4202	Integrated and Secure Airport Voice/Data Network	2012	DHS (Suggested)	DOJ (Suggested), Industry (Suggested)	OI-4201	EN-4203, EN-4210, EN-1043, EN-1015, EN-1016	
EN-4203	Multi-Agency Security Information Sharing/Delegation Protocols	2012	DHS (Suggested)		OI-4201	EN-4210	1288
EN-4204	Transportation Worker Identification Credentialing /Access Control/Tracking System	2013	DHS (Suggested)		OI-4103, OI-4201, OI-4203	EN-4205, EN-4119, EN-4210, EN-1406	
EN-4205	BPR Technology and Procedures	2011	DHS (Suggested)		OI-4103, OI-4105, OI-4201, OI-4203		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-4206	National Airport Emergency Response Protocol/Policies/Procedures	2012	DHS (Suggested)	Local Governments (Suggested), Industry (Suggested)	OI-4204	EN-4203, EN-4210	
EN-4208	Airport CBRNE Detection Systems	2015	DHS (Suggested)	DOD (Suggested), Airport Operator (Suggested), FAA (Suggested)	OI-4203	EN-4210	
EN-4210	Airport Command, Control, and Communications Center Architecture	2012	Industry (Suggested)	DHS (Suggested)			1286
EN-4250	Airport Surveillance, Tracking and Detection System - Level 2	2020	DHS (Suggested)	Airport Operator (Suggested), FAA (Suggested)	OI-4202	EN-4201	
EN-4301	Baggage/Cargo Screening Technology - CBRNE and Weapons	2014	DHS (Suggested)		OI-4401, OI-4300		
EN-4302	Baggage/Cargo Screening Technology - Increased Effectiveness	2015	DHS (Suggested)		OI-4403		
EN-4307	Baggage/Cargo Screening Technology - Integrated Screening System	2016	DHS (Suggested)	Industry (Suggested), FAA (Suggested)	OI-4301, OI-4403	EN-4310, EN-4403, EN-4312, EN-4301, EN-4302	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-4310	Cargo & Mail Screening - Requirements	2011	DHS (Suggested)	USPS (Suggested), Industry (Suggested)	OI-4300	EN-4311	
EN-4311	Cargo & Mail Screening - National Standards	2010	DHS (Suggested)	USPS (Suggested), Industry (Suggested)			
EN-4312	Baggage/Cargo Screening Technology - Threat Containment	2013	Industry (Suggested)	DHS (Suggested)	OI-4401, OI-4300		
EN-4401	Certified Supply Chain Entity	2013	Industry (Suggested)	DHS (Suggested)	OI-4400	EN-4310	
EN-4403	Secure Supply Chain Entity	2013	Industry (Suggested)	DHS (Suggested)	OI-4400, OI-4401	EN-4310	
EN-4500	Flight Risk Management System - Level 1 Static	2012	DHS (Suggested)	DOD (Suggested), FAA (Suggested)	OI-4500	EN-1240, EN-1254	
EN-4510	Security Airspace Planning and Management	2012	FAA 	DOD (Suggested), DHS (Suggested)	EN-1274, EN-1240, EN-1254		1779

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-4511	Security Airspace Planning and Management - Enhanced	2014	FAA 	DOD (Suggested), DHS (Suggested)	OI-4511	EN-4510	1780
EN-4512	Security Airspace Planning and Management - Advanced	2025	FAA 	DOD (Suggested), DHS (Suggested)	OI-4512	EN-4511, EN-1170, EN-1252	1781
EN-4520	Integrated Risk Management (IRM) System	2012	DHS (Suggested)	DOD (Suggested), FAA (Suggested)	OI-4520	EN-4500, EN-1240, EN-1254, EN-1274	
EN-4521	Flight Risk Management System - Level 2 Dynamic	2016	DHS (Suggested)	DOD (Suggested), FAA (Suggested)	OI-4502	EN-0002, EN-1274	
EN-4522	Unified National Aviation Command, Control and Communication Architecture	2020	DHS (Suggested)	DOD (Suggested), Industry (Suggested), FAA (Suggested)	OI-4521	EN-1511, EN-4210, EN-4510, EN-4520	41
EN-4600	Aircraft Security Systems and Policies	2016	DHS (Suggested)	Industry (Suggested), FAA (Suggested)	OI-4600		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-4601	Aircraft Hijack/Unauthorized Diversion Technologies and Procedures	2012	DHS (Suggested)	DOD (Suggested), Industry (Suggested), FAA (Suggested)	OI-4600		
EN-4602	Aircraft Threat Containment and Survivability Hardening	2012	DHS (Suggested)	Industry (Suggested), FAA (Suggested)	OI-4600		
EN-4610	Aircraft External Threat Defense/Mitigation Systems	2017	DHS (Suggested)	DOD (Suggested), FAA (Suggested)	OI-4601		
EN-4611	Airborne Server Technology	2011	DHS 	DOD (Suggested), FAA (Suggested), Industry (Suggested)			
EN-4612	Deployable Incident Data Recorder System	2011	DHS 	DOD (Suggested), FAA (Suggested), Industry (Suggested)			
EN-4613	Deployable Incident Data Recorder Regulation	2011	FAA 	DHS 	EN-4611, EN-4612		1801

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-4614	Aircraft Systems - Deployable Incident Data Recorder	2012	Industry (Suggested)	FAA (Suggested), DHS 	OI-4602	EN-4611, EN-4612, EN-4613	
EN-5000	Airport Advocacy Program	2013	FAA (Suggested)		OI-5000		
EN-5001	Airport-Compatible Land Use	2013	FAA (Suggested)	Airport Operator (Suggested)	OI-5000		
EN-5003	Obstruction Measurement and Evaluation Process	2014	FAA (Suggested)		OI-5000	EN-5036, EN-5045	
EN-5004	Airport GSE Surface Management System	2013	Industry (Suggested)	NASA (Suggested)	OI-5006, OI-5008	EN-1005, EN-1025, EN-2010, EN-2680, EN-1271, EN-1002	
EN-5007	Zero or Low-Emissions Ground Support Equipment	2010	Industry (Suggested)	Airport Operator (Suggested)	OI-5002		
EN-5008	Ground Congestion Data Feed to Airport Acceptance Rate	2015	FAA (Suggested)	NASA (Suggested)		EN-5009, EN-1271	
EN-5009	Airside Resource Management System - Level 1	2013	Industry (Suggested)	Airport Operator (Suggested)	OI-5008, OI-5002, OI-4204	EN-5012, EN-5036, EN-5004, EN-5017, EN-2010, EN-2680	
EN-5010	Landside Resource Management System - Level 1	2013	Industry (Suggested)	Airport Operator (Suggested)	OI-5003, OI-5110	EN-5036, EN-2010, EN-2680	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-5011	Airport Resource Management System - Level 1	2014	Industry (Suggested)	Airport Operator (Suggested)	OI-5009, OI-5002, OI-5003	EN-5009, EN-5010, EN-2010, EN-2680	
EN-5012	Airport Rescue Fire Fighting	2012	FAA (Suggested)	Airport Operator (Suggested)	OI-5009, OI-4204		
EN-5013	Runway Friction - Integrated Condition Reporting	2015	FAA (Suggested)			EN-5014, EN-5015	
EN-5014	Runway Friction - Ground-Based Sensors and Technology	2013	FAA (Suggested)	Airport Operator (Suggested), Industry (Suggested)			
EN-5015	Aircraft Systems - Runway Friction Sensors and Technology	2014	Industry (Suggested)				
EN-5016	Ice-Resistant Pavement Surfaces	2018	FAA (Suggested)		OI-5110, OI-5008		
EN-5017	Airport Winter Operations Resource Management System - Level 1	2013	Industry (Suggested)	Airport Operator (Suggested)	OI-5010, OI-5008, OI-5002	EN-5036, EN-2010, EN-2680	
EN-5018	Aircraft Systems - De-Ice/Anti-Ice Technology	2024	Industry (Suggested)		OI-5110	EN-5019	
EN-5019	Aircraft Systems - Ground Icing Detection	2020	Industry (Suggested)		OI-5110		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-5020	Advanced De-Icing/Anti-Ice Fluids	2018	Industry (Suggested)	NASA (Suggested), FAA (Suggested)	OI-5110, OI-5008	EN-6006, EN-6054	1271
EN-5021	Ground Based Non-Fluid De-Icing Technology	2015	Industry (Suggested)	NASA (Suggested), FAA (Suggested), Airport Operator (Suggested)	OI-5110		1269
EN-5022	Deicing/Anti-Icing Holdover Time Input to Flight Object	2015	FAA (Suggested)		OI-5010, OI-0327	EN-0002, EN-5015, EN-5036, EN-2010, EN-2680	
EN-5023	Advanced De-Icing/Anti-Icing Fluid Recovery	2016	FAA (Suggested)	Airport Operator (Suggested)	OI-5110	EN-6006, EN-6054	
EN-5024	Water Quality Management	2016	FAA (Suggested)	Airport Operator (Suggested)		EN-6006, EN-6054, EN-5023	
EN-5026	Design Guidelines for NextGen Airport Passenger Terminal Buildings	2015	FAA (Suggested)	Airport Operator (Suggested)	OI-5014, OI-5003, OI-5005	EN-5030, EN-4110	
EN-5028	Integrated International Customs Border Protection/Security Service Provider Services	2015	DHS (Suggested)		OI-5014, OI-5011		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-5030	Remote Check-In Processing Systems	2013	Industry (Suggested)	Airport Operator (Suggested)	OI-5015	EN-1274	
EN-5032	Streamlined Airport Development Processes	2020	FAA (Suggested)	Airport Operator (Suggested)	OI-5004, OI-5005	EN-5003, EN-5045, EN-5017, EN-5047, EN-5030, EN-5033, EN-5035, EN-5024, EN-5043, EN-5026, EN-5001, EN-5016, EN-5028, EN-5036, EN-5041	
EN-5033	Identification of Constrained Airports and Regions	2010	FAA (Suggested)	Airport Operator (Suggested)			
EN-5035	Post-Implementation Evaluations of Airport Development Actions	2020	FAA (Suggested)	Airport Operator (Suggested)		EN-6027, EN-6018	
EN-5036	NetCentric Airport Information Standards	2011	Airport Operator (Suggested)			EN-1255, EN-1230	
EN-5041	Regional Planning Processes	2012	FAA (Suggested)	Airport Operator (Suggested)			
EN-5043	Parallel Runway Separation Distance Standards	2016	FAA (Suggested)	NASA (Suggested)	OI-5002, OI-5004	EN-0152	
EN-5045	Airport Protection Surfaces	2013	FAA (Suggested)		OI-5000		
EN-5047	Airfield Design Standards	2017	FAA (Suggested)			EN-0029, EN-2220, EN-1039, EN-1045, EN-1120	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-5052	Ramp Lightning Detection and Deflection	2015	Industry (Suggested)	Airport Operator (Suggested)	OI-5008	EN-2010, EN-2680	1270
EN-5209	Airside Resource Management System - Level 2	2020	Industry (Suggested)	Airport Operator (Suggested)	OI-5008, OI-5002	EN-2681, EN-5009, EN-5217, EN-2020, EN-6018	
EN-5210	Landside Resource Management System - Level 2	2020	Industry (Suggested)	Airport Operator (Suggested)	OI-5003	EN-2681, EN-2020, EN-6018	
EN-5211	Airport Resource Management System - Level 2	2020	Industry (Suggested)	Airport Operator (Suggested)	OI-5002, OI-5003	EN-2681, EN-5210, EN-5209, EN-2020	
EN-5217	Airport Winter Operations Resource Management System - Level 2	2018	Industry (Suggested)	Airport Operator (Suggested), FAA (Suggested)	OI-5110, OI-5008	EN-2681, EN-5013, EN-5017, EN-2020	1272
EN-6000	Environmental Management Strategy	2008	FAA (Suggested)	NASA (Suggested)			
EN-6001	EMS Framework - Level 1 Development	2008	FAA (Suggested)	Industry (Suggested)			
EN-6002	EMS Framework - Level 2 Pilot	2009	FAA (Suggested)	Industry (Suggested)	OI-5000, OI-6014	EN-6001	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6004	Environmentally Improved Terminal Area Navigation - Level 1 Tools	2015	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-6008	EN-6000, EN-6020	
EN-6005	Environmentally Improved En Route Air Navigation -Level 1 Route Planning/Selection	2015	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-6005	EN-6004, EN-6000	
EN-6006	Baseline of Required Water Pollution Mitigation Needs	2011	FAA (Suggested)	EPA (Suggested)	OI-5110, OI-6014	EN-6000	
EN-6007	Environmentally Improved Airframe and Engine Technology - Level 1 (N+1)	2013	FAA (Suggested)	NASA (Suggested), Industry (Suggested)		EN-6032, EN-6033, EN-6034, EN-6000	
EN-6008	Avionics to Reduce Environmental Impacts - Level 1	2015	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-6008, OI-6005, OI-6012		
EN-6010	Available Alternative Fuels - Level 1	2008	FAA (Suggested)	EPA (Suggested), DOE (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)		EN-6038, EN-6024	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6011	Environmental Impact Modeling and Assessment - Level 1	2011	FAA (Suggested)	DOD (Suggested), NASA (Suggested), Industry (Suggested)	OI-6014, OI-6008, OI-6005, OI-6012, OI-6017	EN-6012, EN-6022, EN-6023, EN-6038, EN-6024, EN-6000	
EN-6012	Baseline Environmental Condition - Level 1	2008	FAA (Suggested)	NASA (Suggested)		EN-6022, EN-6023, EN-6038, EN-6024, EN-6000	
EN-6013	NextGen Environmental Protection Goals - Level 1 Initial	2008	FAA (Suggested)	EPA (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)	OI-6014	EN-6000, EN-6001	
EN-6016	EMS Outreach Program	2009	FAA (Suggested)	Industry (Suggested)	OI-6014	EN-6001	
EN-6018	Enhanced Environmental Information	2015	FAA (Suggested)	EPA (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)	OI-6020	EN-1231	
EN-6020	Environmentally Improved Surface Operations - Level 1 - Initial	2010	FAA (Suggested)	Industry (Suggested)	OI-6008, OI-0320		

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6022	Science and Metrics of Noise - Level 1 Baseline	2008	FAA (Suggested)	DOD (Suggested), NASA (Suggested), Industry (Suggested), EPA (Suggested)	OI-6014	EN-6000	
EN-6023	Science and Metrics of Local Emissions - Level 1 Baseline	2008	FAA (Suggested)	EPA (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)	OI-6014	EN-6000	
EN-6024	Environmental Tradeoffs and Metrics of Fuel Burn - Level 1 Baseline	2008	FAA (Suggested)	DOD (Suggested), NASA (Suggested), Industry (Suggested), EPA (Suggested)	OI-6014	EN-6000	
EN-6027	EMS Framework - Level 3 Ongoing Improvements	2011	FAA (Suggested)	Industry (Suggested)	OI-6014	EN-6002	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6030	Environmentally Improved En Route Air Navigation -Level 2 Dynamic Routing	2018	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-6022	EN-6005	
EN-6032	Science and Metrics of Noise - Level 2 Advanced	2011	FAA (Suggested)	DOD (Suggested), NASA (Suggested), Industry (Suggested), EPA (Suggested)	OI-6020	EN-6022	
EN-6033	Science and Metrics of Local Emissions - Level 2 Advanced	2011	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-6020	EN-6023	
EN-6034	Environmental Tradeoffs and Metrics of Fuel Burn - Level 2 Enhanced	2011	FAA (Suggested)	EPA (Suggested), DOC (Suggested), NASA (Suggested), Industry (Suggested)	OI-6017, OI-6020	EN-6024	
EN-6035	Environmentally Improved Aircraft Airframe and Engines - Level 1	2015	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-6012	EN-6007	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6036	Environmentally Improved Airframe and Engine Technology - Level 2 (N+2)	2018	NASA (Suggested)	Industry (Suggested), FAA (Suggested)		EN-6007	
EN-6037	Environmentally Improved Aircraft Airframe and Engines - Level 2	2021	NASA (Suggested)	Industry (Suggested), FAA (Suggested)	OI-6023	EN-6036, EN-6035	
EN-6038	Science of Global Climate - Level 1 Baseline	2008	FAA (Suggested)	DOC (Suggested)	OI-6014	EN-6000	
EN-6039	Enhanced Global Climate Metrics	2011	FAA (Suggested)	EPA (Suggested), DOC (Suggested), NASA (Suggested)	OI-6022	EN-6053	
EN-6041	NextGen Environmental Protection Goals - Level 2 Refined	2011	FAA (Suggested)	EPA (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)	OI-5000, OI-6020	EN-6053, EN-6013	
EN-6042	Environmentally Improved Terminal Area Navigation - Level 2 Automation/Mechanisms	2018	FAA (Suggested)	NASA (Suggested)	OI-6021	EN-6046, EN-6044, EN-6004	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6043	Environmentally Improved Terminal Area Navigation - Level 3 Dynamic Information	2020	FAA (Suggested)	NASA (Suggested)	OI-6021	EN-6045, EN-6042, EN-1066	
EN-6044	Avionics to Reduce Environmental Impacts - Level 2	2018	FAA (Suggested)	Industry (Suggested), NASA (Suggested)	OI-6021, OI-6022, OI-6023	EN-6008, EN-6004	
EN-6045	Avionics to Reduce Environmental Impacts - Level 3	2020	FAA (Suggested)	NASA (Suggested), Industry (Suggested)	OI-6021, OI-6022, OI-6023	EN-6044, EN-6004, EN-6000	
EN-6046	Environmentally Improved Surface Operations - Level 2 - Enhanced	2015	FAA (Suggested)	Industry (Suggested)	OI-6021, OI-0340	EN-6020	
EN-6047	Baseline Environmental Condition - Level 2	2015	FAA (Suggested)	NASA (Suggested)	OI-6020, OI-6008, OI-6005, OI-6012, OI-6017	EN-6012, EN-6032, EN-6033, EN-6039, EN-6034	
EN-6048	Environmental Impact Modeling and Assessment - Level 2	2018	FAA (Suggested)	DOD (Suggested), NASA (Suggested), Industry (Suggested)	OI-6020, OI-6021, OI-6022, OI-6023	EN-6011, EN-6047, EN-6034	

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6049	Available Alternative Fuels - Level 2	2009	FAA (Suggested)	EPA (Suggested), DOE (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)		EN-6010	
EN-6050	Available Alternative Fuels - Level 3	2013	FAA (Suggested)	EPA (Suggested), DOE (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)		EN-6049	
EN-6051	Available Alternative Fuels - Level 4	2015	FAA (Suggested)	EPA (Suggested), DOE (Suggested), DOD (Suggested), NASA (Suggested), Industry (Suggested)	OI-6017		EN-6050

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-6053	Science of Global Climate - Level 2 Advanced	2011	FAA (Suggested)	EPA (Suggested), DOC (Suggested), NASA (Suggested)	OI-6021, OI-6022	EN-6038	
EN-6054	Enhanced Water Pollution Mitigation	2016	FAA (Suggested)	EPA (Suggested)	OI-5110, OI-6020	EN-6006	
EN-7014	Integrated Surveillance Governance Organization	2010	DHS (Suggested)	DOC (Suggested), DOD (Suggested), FAA (Suggested)		EN-1402	
EN-7015	Integrated Surveillance Technical Entity	2011	DHS (Suggested)	DOC (Suggested), DOD (Suggested), FAA (Suggested)		EN-7014	
EN-7016	Metroplex Operational Concept	2018	FAA (Suggested)	NASA (Suggested)	OI-0338, OI-0339		
EN-7017	Aviation Weather Information System - Process/Disseminate Weather Translation Information	2015	FAA 		OI-2023		1806

ID	Name	Planning Initial Availability	OPR	OCR	Supported OIs	Prerequisite Enablers	Associated Comments
EN-7018	Aviation Weather Information System - Process/Disseminate Weather Translation Information - Enhanced	2020	FAA 		OI-2024	EN-7017	1807
EN-7019	Aviation Weather Information System - Process/Disseminate Weather Translation Information - Advanced	2025	FAA 		OI-2024	EN-7018	1808
EN-7020	Aircraft Systems - Aircraft-Aircraft Hazardous Weather Information Sharing	2025	FAA 		OI-0362, OI-0368, OI-0369		1810

Oct 16, 2011 9:54:43 AM

432 rows.